

IN THE CLAIMS:

Please amend claims 1, 2, 6-20 and 24 and add claim 25 as follows.

1. (Currently Amended) A communications system, comprising:

~~a subsystem connected to a network, the~~ a network having a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the communication system; ~~the subsystem further comprising~~

a gateway for permitting communications between the first and second parts, the gateway comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal which is in communication with a base station which is coupled to a respective network element and information relating to the ~~said~~ identity of the network element ~~is stored~~ in the register as the current location information of the first user; and

an identifier allocated in the network element ~~which is arranged~~ which is configured to receive communications intended for the first user is stored in the register.

2. (Currently Amended) ~~A~~ The communications system as claimed in claim 1, wherein when the location of the first user changes, the gateway is further configured to store information relating to the new location ~~is stored~~ in the register of the gateway.

3.-5. (Canceled).

6. (Currently Amended) ~~A-The~~ communications system as claimed in claim 1, wherein a gatekeeper element is ~~arranged~~ configured to control the updating of the register and the handover of the first user between base stations and their respective network elements.

7. (Currently Amended) ~~A-The~~ communications system as claimed in claim 6, wherein the gatekeeper element is defined by the second user as the initial destination during call setup and the gatekeeper is ~~arranged~~ configured to poll a plurality of network elements to determine the location of the first user.

8. (Currently Amended) ~~A-The~~ communications system as claimed in claim 7, wherein the gateway is transparent during call set-up procedure.

9. (Currently Amended) ~~A-The~~ communications system as claimed in claim 7, wherein after call set-up, information is forwarded directly from the gateway to the respective network element.

10. (Currently Amended) ~~A-The~~ communications system as claimed in claim 8 wherein the gateway controls the updating of the register.

11. (Currently Amended) ~~A~~The communications system as claimed in claim 1, wherein the system uses the internet protocol.

12. (Currently Amended) ~~A~~The communications system as claimed in claim 1, wherein the register stores source and destination ports and addresses.

13. (Currently Amended) ~~A~~The communications system as claimed in claim 12, wherein at least one of the source and destination addresses and ports are of the first and second user.

14. (Currently Amended) ~~A~~The communications system as claimed in claim 12, wherein at least one of the source and destination addresses and ports are of an intermediate network element between the gateway and a user.

15. (Currently Amended) ~~A~~The communications system as claimed in claim 1, wherein the gateway is ~~arranged~~configured to check the source and destination of all information sent between the first and second users in the first and second parts and to permit the information to be passed through gateway if the source and destination information matches the information stored in the register.

16. (Currently Amended) ~~A~~The communications system as claimed in claim 1, wherein the second user is a fixed user.

17. (Currently Amended) ~~A~~The communications system as claimed in claim 1, wherein the second user operates in accordance with the H.323 protocol.

18. (Currently Amended) ~~A~~The communications system as claimed in claim 1, wherein the first user operates in accordance with the GSM standard.

19. (Currently Amended) A gateway for use in a communications system, comprising:

~~a subsystem connected to a network, the~~ a network comprising a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the system;and

~~the~~ a gateway being ~~arranged in use~~ positioned between the first and second parts, the gateway comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal ~~which is in communication with a base station which is coupled to a~~

respective network element, and information relating to the identity of the network element is stored in the register as the current location information of the first user and an identifier allocated in the network element which is ~~arranged~~ configured to receive communications intended for the first user is stored in the register.

20. (Currently Amended) A communication system, comprising:
~~a subsystem connected to a network, the~~ a network comprising a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts; and
~~, the subsystem further comprising a gateway element~~ positioned between the first and second parts, the gateway comprising a register for storing information associating the first and second users, wherein the gateway is ~~arranged~~ configured to check the source and destination of all information sent between the first and second users in the first and second parts and to permit the information to be passed through the gateway if the source and destination information matches the information stored in the register, wherein the first user ~~being~~ comprises a mobile terminal ~~which is in communication with a base station which is coupled to a respective network element, and~~ wherein information relating to the identity of the network element is stored in the register as the current location information of the first user and an identifier allocated in the network element

which is ~~arranged~~configured to receive communications intended for the first user is stored in the register.

21.-23. (Canceled)

24. (Currently Amended) A communications system, comprising:

a subsystem connected to a network, the network having a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the system;

~~, the subsystem further comprising~~ a gateway for permitting communications between the first and second parts, the gateway comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal which is in communication with a base station which is coupled to a respective network element and information relating to the identity of the network element is stored in the register as the current location information of the first user and an identifier allocated in the network element which is ~~arranged~~configured to receive communications intended for the first user is stored in the register; and

~~wherein~~ a gatekeeper element is ~~arranged~~ configured to control the updating of the register and the handover of the first user between base stations and their respective network elements and the gatekeeper element is defined by the second user as the initial destination during call setup and the gatekeeper is ~~arranged~~ further configured to poll a plurality of network elements to determine the location of the first user.

25. (New) A communications system, comprising:

network means for networking, comprising a first part and a second part, the first and second parts being connected so that a first user in one of the first and second parts can communicate with a second user in the other of the first and second parts, wherein at least the first user is able to move within the respective part of the communication system;

permitting means for permitting communications between the first and second parts, the permitting means comprising a register for storing information associating the first and second users and for storing information relating to the current location of the first user so that information from the second user can be directed to first user, wherein the first user is a mobile terminal which is in communication with a base station which is coupled to a respective network element and information relating to the identity of the network element stored in the register as the current location information of the first user; and

receiving means for receiving communications intended for the first user stored in the register.